

EP30543 (3)

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08180892
PUBLICATION DATE : 12-07-96

APPLICATION DATE : 26-12-94
APPLICATION NUMBER : 06337937

APPLICANT : TOYOTA MOTOR CORP;

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INT.CL. : H01M 8/02

TITLE : MANUFACTURE OF CURRENT COLLECTOR FOR FUEL CELL

ABSTRACT : PURPOSE: To improve the performance of a fuel cell by manufacturing a current collector the specific resistance of which is low in all directions.

CONSTITUTION: Thermally expanding graphite powder is filled in a press jig, and successively pressed and compressed from three directions of X-axis, Y-axis and Z-axis. Consequently, each crystal of the thermally expanding graphite powder is oriented in a random direction such as vertical direction or horizontal direction, and the specific resistance of the resulting current collector is never enhanced in a specified direction.

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